

Tiger Teams – Technical Assistance for Clean Cities

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Clean Cities Technical Assistance

- DOE Vision: Provide AFV and alt fuel infrastructure technical expertise to Clean Cities Coalitions having deployment problems
- Mechanism: Hands-on technical experts under Task Order Agreement Subcontract to NREL
 - AFV niche markets
 - AFV implementation
 - Fueling station design
 - AFV user training
 - AF Infrastructure development
 - EVs
- Teams deployed for challenging problems whose solutions may have application in multiple Clean Cities across the country



CCTA Project Areas

- Vehicle Operations
 - Problems with vehicle performance or drivability
 - Maintenance or Safety issues
 - Training/driver acceptance
- Infrastructure Development
 - Fueling station design, siting, operation, and maintenance
 - Alt. fuel provider
 - Operator training
- Evaluation of Potential Opportunities
 - Niche markets (transit operations, airports, etc.)
 - Evaluate local market conditions and stakeholder capabilities
 - Project feasibility



CCTA Projects

- Washington Metro Area Rapid Transit Authority (WMATA)
 - Assist with developing a CNG bus program strategy and implementation plan
 - Aid in the development of fueling station design specs and facility modification requirements to include in a subsequent solicitation
 - Task order to Marathon Technical Services



CCTA Projects

- Open-Architecture Card Access
 - Characterize the issues with card access to alternative fueling stations
 - Similar to gasoline retailing years ago where a different card is required for each different fuel provider
 - Facilitate a meeting with stakeholders to better understand the issues
 - Meeting at SCAQMD (California) held in March
 - Develop a set of requirements for open card access development that can be implemented statewide and, eventually, nationwide
 - Requirement specs will be included in a solicitation released by the Natural Gas Vehicle Infrastructure Working Group
 - Task order to AD Little



CCTA Projects

- Alt-Fuel Transit Training Resource Guide
 - Existing training programs are typically offered gratis with bus purchases and are not comprehensive
 - Outline a comprehensive training program for transit agencies using existing training material
 - Beginner, intermediate, and advanced formats
 - Useful in developing training budgets and in planning a comprehensive training program
 - Helpful in making grant applications or other funding requests
 - Task Order to Thomason & Associates



CCTA Process

- Requesting Technical Assistance
 - Complete and submit a Web-based form (<http://www.ccities.doe.gov/tiger.html>)
 - Identify points of contact and key players
 - Specify AFV implementation problem and attempts at resolution
 - Estimate number of hours of technical assistance required to resolve the problem
 - Identify any funds or resources your local team may have to contribute to the resolution



CCTA Process

- Project Selection Process
 - Technical Assistance Review Committee (TARC) composed of Dennis Smith, Richard Parish, and Tech Experts as appropriate
 - TARC (Dennis and/or Richard) will solicit input from DOE Regional Office
 - TARC will convene regularly via teleconference
 - Requests will be evaluated and ranked according to established criteria
 - Previously unfunded requests will be reviewed and ranked with the newly submitted requests.
 - Primary point of contact and RO will be notified of results



CCTA Process

- Project Evaluation Criteria
 - Is the problem well described and defined?
 - Are the appropriate stakeholders and contacts identified?
 - Is this an appropriate technical request that falls within the scope of the Technical Assistance Project?
 - Have local resources/solutions already been exhausted?
 - Does the TARC have the expertise to assist with the problem?
 - Is the estimated quantity of hours of technical assistance adequate to resolve the problem? If not, what is the appropriate number of hours?



CCTA Process

- Project Evaluation Criteria (continued)
 - What is the approximate funding required to address and resolve the problem?
 - Would the resolution of this problem be applicable to other sites?
 - Does the TARC have adequate funding to resolve this particular problem?
 - Would partial resolution be adequate at this time?



CCTA Process

- Technical Assistance Implementation
 - Projects selected for assistance will be further defined through discussions with the requestor, the Tiger Team expert, and others knowledgeable about the problem and efforts made to resolve it so far
 - Specific requirements of the the project will be identified and documented, and work will begin
 - Work proceeds through teleconferences and on-site meetings, as necessary



Tiger Teams

Submit your project for consideration!!

